

# Morbella

## M880 Slim 5-inch Deluxe Navigator User's Manual



R05

June 2010

### Trademarks

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The information in this manual is subject to change without notice.

# Before You Start

## ※Precautions and Notices

- ※ For your own safety, do not operate the controls of the product while driving.
- ※ Use this product prudently. The product is designed to be use only as a navigation aid. It is not for precise measurement of direction, distance, location or topography.
- ※ The calculated route is for reference only. It is the user's responsibility to follow the traffic signs and local regulations along the roads.
- ※ When you get off the car, do not leave your device on the dashboard that is subject to direct sunlight. The overheating of the battery can cause malfunction and/or danger.
- ※ GPS is operated by the United States government, which is solely responsible for the performance of GPS. Any change to the GPS system can affect the accuracy of all GPS equipments.
- ※ GPS satellite signals cannot pass through solid materials (except glass). When you are inside a tunnel or building, GPS positioning is not available. Tinted window, solar film or any form of sticker on the front windscreen will affect the performance of the GPS satellite reception. It will take slightly longer time than usual to fix your position.
- ※ A minimum of 4 GPS satellite signals is needed to determine current GPS position. Signal reception can be affected by situations such as bad weather or dense overhead obstacles (e.g. trees and tall buildings).
- ※ GPS signal will be affected under bad weather condition.
- ※ A car holder is needed when using the device in a car. It is recommended that you place the device in an appropriate place, so as not to obstruct the driver's view, or deployment of airbags.
- ※ When battery run out, the device will automatically turn off the power. So, when plug-in the car charger or power adaptor, please reset the ON/OFF switch to re-initiate the device.

## ※ Overview

### GPS Navigation Features

- ※ Preloaded with Mapping SLA (Singapore Land Authority) and Malaysia Maps provided by Malsingmaps
- ※ GPS positioning
- ※ Optimal route calculation and trip plan
- ※ Friendly and efficient navigation with turn-by-turn, voice, and visual guidance
- ※ Various ways for searching a location on the map
  - Using a known “Road” (e.g. Alexandra Road, Hougang Avenue 8, Jalan Bukit Bintang, )
  - Using a POI  
(point of interest, including Postal Code, Full address search – e.g. 159919, Blk 13 Holland Drive, 271013 and etc...)
  - Search using Malsingmaps for a much more detail map in both West and East Malaysia. For an example, If you are looking for Hotel, KLCC, Shopping Centre please search under “Find POI”. If you are looking for a street in Malaysia, please take away the “Jalan” word when you enter under “Find Road”
  - Using POI icon such “Restaurant”, “Building”, “Shopping” to locate the nearest point of interest near your current location.
  - Using Favorites (personal stored locations)
  - Using History (previous destinations)
- ※ **Please refer to “Mapping Instruction Manual” stored inside the SD card /or CD for a detail instruction on using the navigation software.**
- ※ Viewing modes for different needs and situations:
  - 2D or 3D (3D Landmark and Junction View)
  - Daytime or night-time view
  - Turn-by-turn view of the route

## Other Features

- ※ Audio Player
- ※ Photo Viewer
- ※ Movie Player
- ※ Bluetooth handsfree communication
- ※ FM Transmitter
- ※ AV-input
- ※ Calculator
- ※ Game Player

## About this Manual

This manual is divided into four major parts:

- ※ Part I “Basic Operations” tell you how to get your device running and customize system settings.
- ※ Part II “Media” introduces Music Player, Photo Viewer, Video Player, Bluetooth Communication, AV-input, FM Transmitter” and etc...
- ※ Part III “Maintenance and Troubleshooting”
- ※ Part IV “Service Centre Location”
- ※ How to use the navigation? Please refer to Navigation Manual found from either CD (if available) or inside the SD card.

You may download our both hardware and software instruction manual from online @ [www.makagps.com](http://www.makagps.com) > Download > Download Instruction Manual for Marbella and choose your Marbella model.

# Part I. Basic Operations

Part I guides you through the process of getting your device running, familiarizes you with the external components, and tells you how to customize system settings

## 1. Getting Start

This chapter tells you step by step how to perform the initial start-up and introduces you to the external components of your device.

### 1.1 Understanding Hardware Features

The Marbella M880 slim 5inch Deluxe GPS Navigator equipped with the features as follows;

- ◆ High performance, low-power consumption MediaTek MT3351 CPU;
- ◆ Simple and easy operate user interface
- ◆ Power management: keep the product to work longer and more steadily;
- ◆ Data transmitting is strongly recommended to use a Micro-SD card reader to ensure secure and fast data transmission.
- ◆ Excellent in receiving signal: accurate position fixing provides you the satisfied navigating service;
- ◆ Entertainment: MP3 and MP4 function can relieve your fatigue;
- ◆ Bluetooth handsfree communication – you can now pair your GPS navigator with your mobile phone. Pick up incoming call and dial out outgoing calls when you are on the road.
- ◆ FM Transmitter is the unique feature that allows you to transmit the sound from your GPS speaker wirelessly to your car speaker. Please refer to pg. 29 for detail information.

◆ AV-input allows you to attach a reverse camera. Please take note that reverse camera is not a standard package and you may approach Maka GPS Technologies for more detail information.

You can use it when driving, walking, riding, or waiting for a meeting; the perfect “GPS + entertainment” function can make your life and work more splendid.

## 1.2 Package

The packing box contains the following accessories, please contact Maka GPS Technologies if there is any missing of accessories mentioned below;

1. GPS navigator
2. Car charger
3. MINI USB cable
4. Car bracket / Window mounting
5. Stylus will be located at the back of the car bracket for M880 Slim Deluxe

## 1.3 Connecting to USB/Car Power and Charging the Battery

Connect the adapter cable to your device and plug into a car charging slot or charge the device via connecting USB cable (optional) to computer. When charging the battery for the first time, you should charge it for a couple of hours.



NOTE:

- Depending on your region of purchase, the connector converter may not look exactly the same as the picture shown.
  - Do not disconnect your device from USB cable until the battery is fully charged. This will take a couple of hours.
  - Please **switch ON MONITOR** Marbella M880 Slim Deluxe to charge.
1. If you will not use the product for a long period of time, be sure to fully charge the battery at least once every two weeks. Over discharge of the battery can affect the charging performance.
  2. Standard battery life will last from 1 hour to 2 hours after a complete full charge. However, it is also depends on the Brightness of the screen, level of the volume and etc... Please go to “Settings” under Backlight and adjust the backlight.
  3. Car charger is always an ideal tool to keep it standby with you just in case the battery goes out.
  4. A full charge would normally take 8 hours as this is a high quality built LCD as well as high performance.

## 1.4 Using Your Device in a Vehicle

### Using the Car Holder

#### ⚠CAUTION:

1. Select an appropriate location for the car holder. Never place the holder where the driver's field of vision is blocked.
2. If the car's windshield is tinted with a reflective coating, an external antenna (optional) may be needed to route the antenna to the top of the car through a window. When closing the car window, be careful not to pinch the antenna cable. (Cars with an anti-jam window design may automatically leave adequate space as needed.)

**NOTE:** Depending upon the specific model purchased, the car holder supplied with your device may not look exactly the same as the

picture shown.



### Important Notes for Use in a Vehicle

- Take care that the holder does not present any risk to safety, even in the case of an accident, when installing it.
- Take care that the holder does not impede any safety components.
- The display of your navigation system may show “light re-flexions”. Please take care of not being “blinded” during operation.
- Do not mount the components within the operating range of any airbags.
- Check the secure adherence of the suction cup at regular intervals.
- The power plug will consume power, even if no device is connected. Remove it when not in use to avoid draining the battery.
- Check all safety equipment in your car after installation.

### Connecting the Car Charger

The car charger supplies power to your device when you are using the device in a car.

⚠CAUTION : **To protect your device against sudden surges in current, connect the car charger only after the car engine has been started.**

**NOTE:** Depending upon the specific model purchased, the car holder supplied with your device may not look exactly the same as the picture

**shown.**

1. Connect one end of the car charger to the power connector of your device.
2. Connect the other end to the cigarette lighter in the car to power and charge your device and ensure that it will not lose contact while driving. This could cause a malfunction.



- **Hint:** Remove the car adapter from the cigarette lighter socket when ending a trip or when parking the car for an extended period of time (even parking for a couple of hours is advise to do so).

### **IMPORATANT CLAUSE**

- The voltage of the car engine will normally shoot up very high after parking the car for a period of time (even a couple of hours). We strongly advise our customer to remove the car charger from their cigarette lighter after parking the vehicle or before switch on the engine. Such faults caused damage to Marbella GPS Navigator short circuited or any damages will be exempted from the warranty for such case.

## 2. Features & Specification

This chapter guides you through the process of using your device and familiarizes you with the basic operations such as using the stylus pen and navigation pad.

### 2.1 Main features

- ◆ Operating system: Microsoft Windows CE 6.0;
- ◆ 5" TFT LCD display with resolution of 480\*272 pixels;
- ◆ Hi-Fi stereo earphone and built-in Hi-Fi speaker, volume adjustable;
- ◆ Button and touch-screen operation;
- ◆ Built-in sensitive GPS antenna;
- ◆ Bluetooth Handsfree Communication/Calling
- ◆ FM Transmitter
- ◆ Reverse Camera optional (av-input)
- ◆ The navigating software could run the SD card directly;
- ◆ Video format supported: ASF, AVI, WMV, 3GP, MP4, FLV;
- ◆ Photo format supported: BMP, JPG, PNG;
- ◆ E-book format supported : TXT;
- ◆ MINI USB port;
- ◆ Built-in rechargeable Li-battery which can be powered by travel and car charger.

## 2.2 Specification

|                                    |                                                                                                            |
|------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>CPU</b>                         | MediaTek MT3351                                                                                            |
| <b>EMS memory</b>                  | 64 Mbytes                                                                                                  |
| <b>LCD display</b>                 | 5" TFT LCD display,<br>Resolution :480RGB(H)x272(V)                                                        |
| <b>Touch-screen</b>                | High-accuracy, durable<br>touch-screen                                                                     |
| <b>USB</b>                         | USB Client 2.0, MINI USB port                                                                              |
| <b>SD</b>                          | Micro-SD/TF card slot , the<br>maximum capacity of Micro-SD<br>Card supported <b>maximum up to<br/>8GB</b> |
| <b>Audio</b>                       | A: Built-in high fidelity speaker<br>B: High fidelity stereo earphone                                      |
| <b>AV-input</b>                    | Audio Visual AV-in feature<br>(standard)                                                                   |
| <b>GPS</b>                         | Cold start: <42s<br>Hot start: <3s(in the open area)<br>Warm start <36s                                    |
| <b>Battery</b>                     | Built-in rechargeable Li-battery                                                                           |
| <b>Battery Charging<br/>port</b>   | DC 5V port                                                                                                 |
| <b>Bluetooth</b>                   | Bluetooth V1.2                                                                                             |
| <b>FM Transmitter</b>              | Active                                                                                                     |
| <b>Car Charger</b>                 | DC9-24V, 5V / 1.5A                                                                                         |
| <b>Status of the LCD<br/>light</b> | When charging, the red light is on;<br>when charge finished, the blue light<br>is on.                      |
| <b>Operating<br/>System</b>        | Microsoft Windows CE 6.0                                                                                   |
| <b>Navigation<br/>Software</b>     | Micro SD Card                                                                                              |
| <b>Video Player</b>                | ASF,AVI,WMV,3GP,MP4,FLV;                                                                                   |
| <b>Audio Player</b>                | MP3 and WMA                                                                                                |
| <b>Photo viewer</b>                | E-Album, JPG, GIF, BMP, PNG                                                                                |
| <b>EBook Viewer</b>                | TXT                                                                                                        |
| <b>Temperature</b>                 | Operating Temperature : 0°C to<br>60°C<br>Storage Temperature : -20°C to 60°C                              |
| <b>Working humidity<br/>range</b>  | 45% to 80%RH                                                                                               |

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## 3. Basic Function

### 3.1.1. Main menu



4-1

### 3.1.2 Function introduction

|              |                                                                                                                             |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|
| Navigation   | Provide navigation service                                                                                                  |
| Video player | Support ASF, AVI, WMV, 3GP, MP4 and FLV format.<br>Support progress adjust, pause and full screen play                      |
| Photo viewer | Support JPG、BMP and PNG format. Support photo rotate, enlarge/shrink pictures, automatic play and so on                     |
| E-book       | Text format: txt.<br>Support page selection                                                                                 |
| Audio player | Audio playing format: WMA, MP3.<br>Support random playing, sequential playing, repeat playing, pause, previous/next, volume |
| Game         | Support game                                                                                                                |
| Setting      | Brightness, Volume, Languages, Power, Time, System, Default, GPS Info, Navi-Path.                                           |

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## 3.2 Navigation functions and features

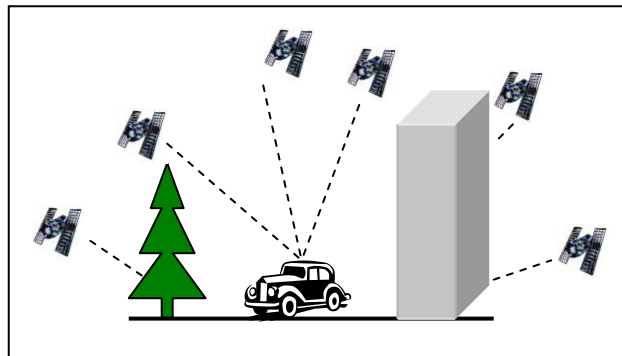
Please refer to “Mapping Instruction Manual” found inside the SD card or the in-built FLASH memory.

### 1. Navigation

The navigator offers the route for the reference; determine the route by yourself, the driver may be more familiar with the route than GPS navigator.

### 2. Receiving signal

Many factors such as high, dense buildings (in the tunnel, between the high building, underground parking, under the trestle), various weather condition, and closure of the satellite will affect the ability to receive signal so as to result in inaccurate position, inefficiency of navigation operation and system function.



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# Part II. Media

Part II introduces Music Player, Picture Viewer and Movie Player.

## 3.3 Audio player operation interface

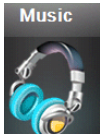
This chapter introduces how to use the GPS video player to play your favorite music, and let it be your personal MP3.

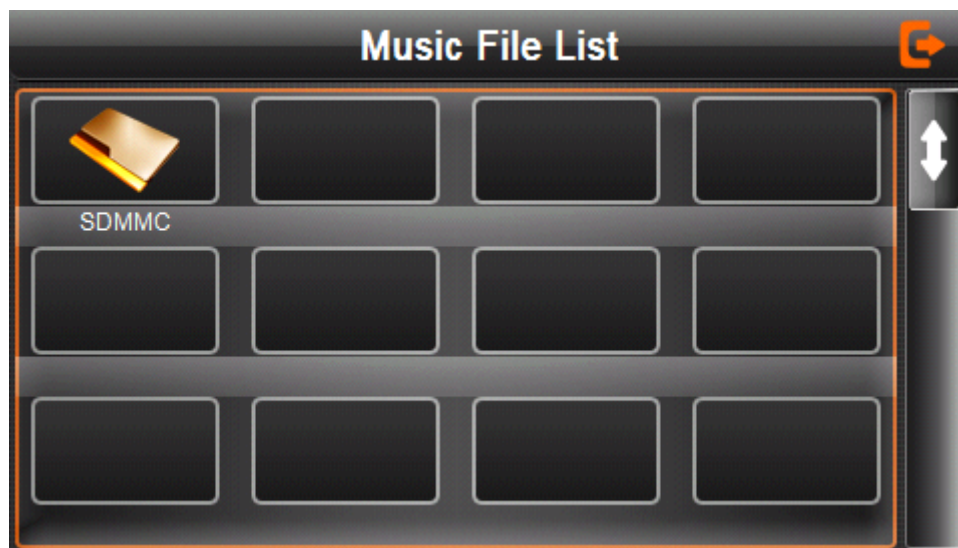
### 3.3.1 Functions and features

The audio player supports MP3 and WAV format, you could set the playing sequence as you wish.

Before using the audio player, please copy the files to any folder.

### 3.3.2 Operation method

1. Single click the button  to enter Music file list as 3-21

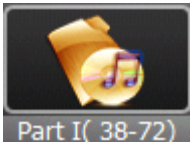


3-21



3-22

Function instruction

|                                                                                     |           |                    |
|-------------------------------------------------------------------------------------|-----------|--------------------|
|    | Close     | Close current file |
|  | Last      | Show last page     |
|                                                                                     | next      | Show next page;    |
|  | Song name | Show song name     |

Choose the song to enter the playing interface as 3-22



3-23

|                                                                                     |                          |                                                                                                                                  |
|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|    | Previous song            | Play the previous song;                                                                                                          |
|    | Play/pause               | To play and pause, single click to pause, click again to play continuously;                                                      |
|    | Stop                     | Single click to stop playing;                                                                                                    |
|    | Next song                | Play the next song;                                                                                                              |
|    | Volume                   | Adjust volume. It shows volume is decreased when it shift toward left. While volume is increase when it is shifted toward right. |
|    | Close                    | Single click to close the audio player;                                                                                          |
|   | Setting the playing mode | Support sequential playing, loop playing, repeat playing and random playing.                                                     |
|  | Open the play list       | Single click to display the play list, and choose your favorite as picture 3-22 shows;                                           |
|  | Playing progress         | Adjust the progress by slide the progress-displaying bar; go left for backwards, go right for forwards;                          |
| <b>Part I( 38-72)</b>                                                               | Song title               | Show the song title                                                                                                              |
| <b>00:05</b>                                                                        | Time consumption         | Show the time progress;                                                                                                          |
| <b>26:58</b>                                                                        | Total time               | Show the total time for playing the song;                                                                                        |
|  | Homepage                 |                                                                                                                                  |

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## 3.4 Video operation Interface

This chapter introduced how to use the GPS video player.

### 3.4.1 Functions and features

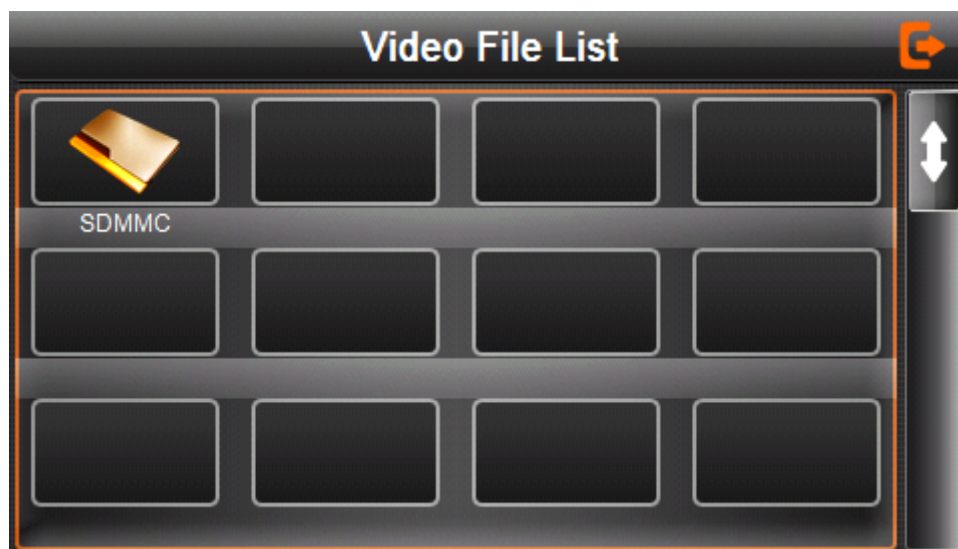
1. Support ASF, AVI, WMV, 3GP, MP4 and FLV
2. Support full-screen playing, progress choosing and file selection;

Before using the Video player, please copy your video file (ASF, AVI, WMV, 3GP, MP4 and FLV) to any folder.

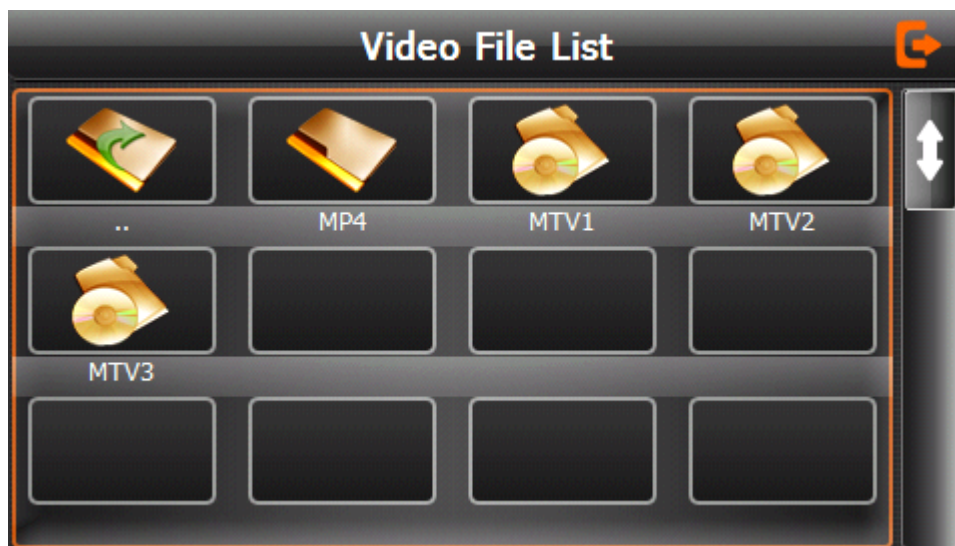
### 3.4.2 Operation

1. Single click the Video button  to enter the video file list as the picture

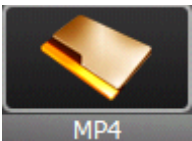
3-24



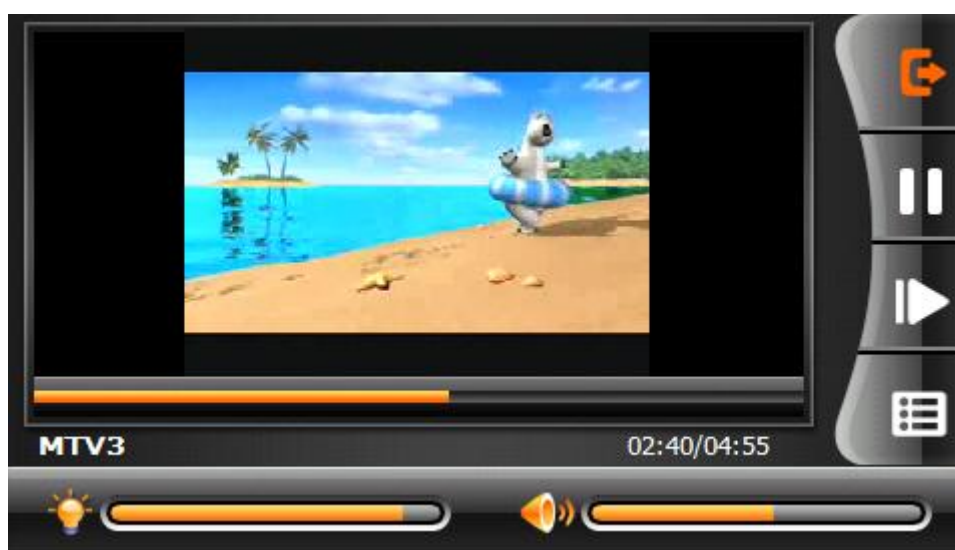
3-24

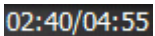


3-25

|                                                                                     |                   |                                     |
|-------------------------------------------------------------------------------------|-------------------|-------------------------------------|
|    | Close             | Single click to close current file. |
|    | Last              | Show last page                      |
|                                                                                     | next              | Show next page                      |
|  | Video folder name | Video folder name                   |
|  | Video name        | Show video name                     |

Choose the video to enter the playing interface as 3-26



|                                                                                     |                   |                                                                                                                                        |
|-------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|    | Close             | Click to close the video list;                                                                                                         |
|    | Play              | It shows stop playing. Single click will continue to play.                                                                             |
|    | Next              | Play next video.                                                                                                                       |
|    | File list         | Single click and shift to video file list, and then choose your favorite video.                                                        |
|    | Volume            | Single click volume. It shows volume is decreased when it shift toward left. While volume is increase when it is shifted toward right. |
|    | Playing progress  | Adjust the progress by slide the progress-displaying bar; go left for backwards, go right for forwards;                                |
|  | Brightness adjust | Adjust brightness with stylus while moving toward left and right. Turn right means turn brighter.                                      |
|  | Play interface    | Full screen play. Double click to return normal play status.                                                                           |
|  | Video name        | Show current Video name                                                                                                                |
|  | Time              | Show the time consumed / The total time of the video                                                                                   |

## 3.5 Photo viewer operation interface

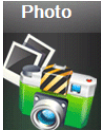
This chapter introduces how to use the photo viewer to browse pictures.

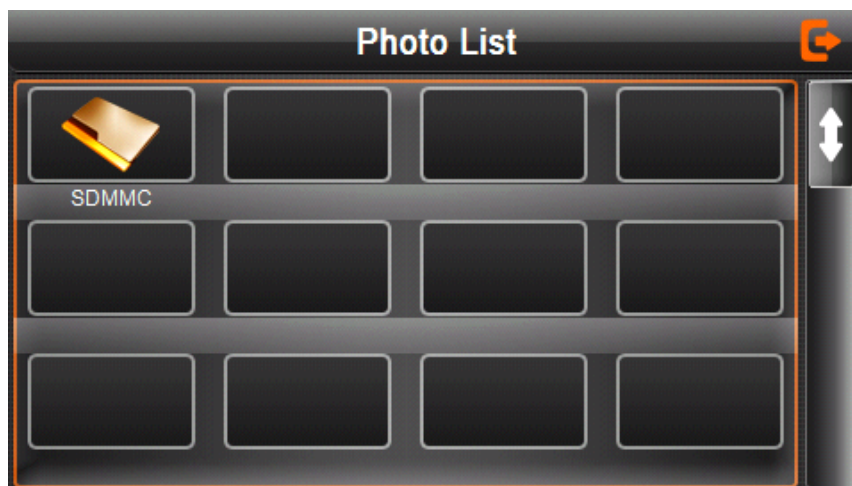
### 3.5.1 Function features:

1. Supports JPG、BMP and PNG
2. Support picture rotate, picture enlarge/shrink and automatic play.

Before using the photo viewer, please copy your photos to any folder.

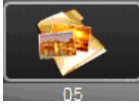
### 3.5.2 Operation method

1. Single click the button  to open the photo list as picture 3-27



3-27



|                                                                                   |           |                                       |
|-----------------------------------------------------------------------------------|-----------|---------------------------------------|
|  | Close     | Click to close the photo list;        |
|  | Last page | Show the last page                    |
|                                                                                   | Next page | Show the next page                    |
|  | File      | Single click to enter the photo file; |

Choose the picture to enter play interface as 3-29



|                                                                                     |           |                                                                                  |
|-------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------|
|  | Close     | Click to close the viewer                                                        |
|  | Shrink    | Shrink current picture in proportion                                             |
|  | Enlarge   | Enlarge current picture in proportion                                            |
|  | Previous  | Show the previous picture                                                        |
|  | Next      | Show the next picture                                                            |
|  | File list | Single click and shift to video file list, and then choose your favorite picture |
|  | Rotate    | Click to rotate the picture by 90 degree                                         |

|                                                                                   |                             |                                                                          |
|-----------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------|
|  | Automatic<br>Play           | Play all the pictures circularly on full screen from the current picture |
|  | Photo<br>name and<br>format | Show the photo name and format                                           |

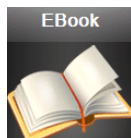
## 3.6 E-book reader interface and operation

This chapter introduces how to use GPS to read e-book.

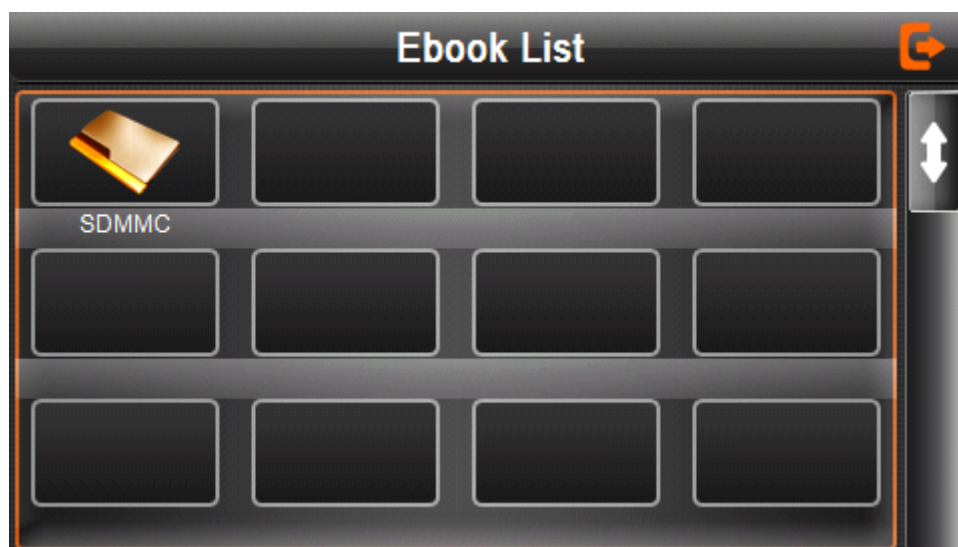
### 3.6.1Function

1. Support TXT
  2. Support turning over page, page browse, and file choosing.
- Before using e-book function, please copy your TXT file and save it to any folder.

### 3.6.2Operation



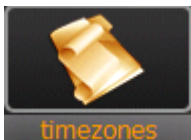
1. single click button to enter Ebook list as 3-30



3-30



3-31

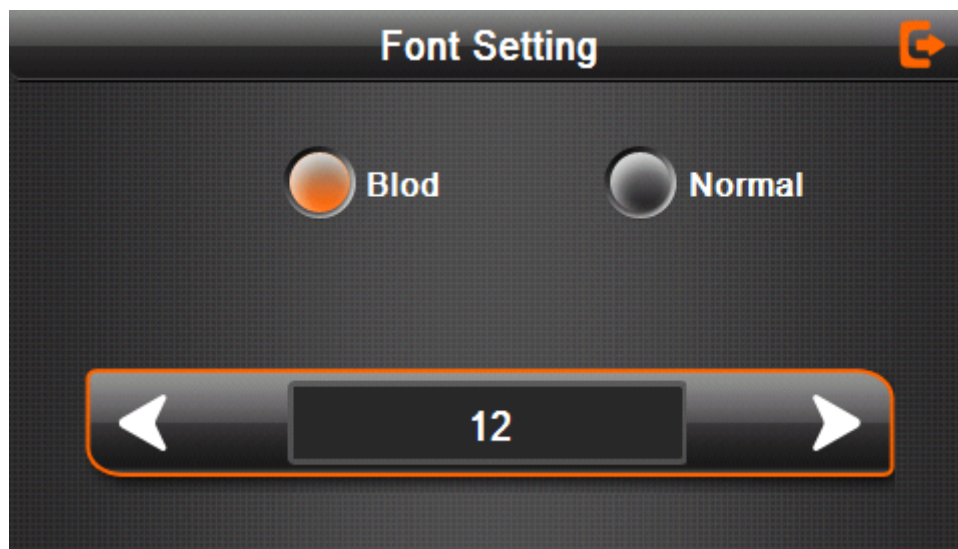
|                                                                                     |              |                             |
|-------------------------------------------------------------------------------------|--------------|-----------------------------|
|    | Close        | Click to close current file |
|   | Last page    | Show the last page;         |
|                                                                                     | Next page    | Show the next page;         |
|  | Name of file | Show name of file           |

2. Choose file name to enter e-book reader as 3-32



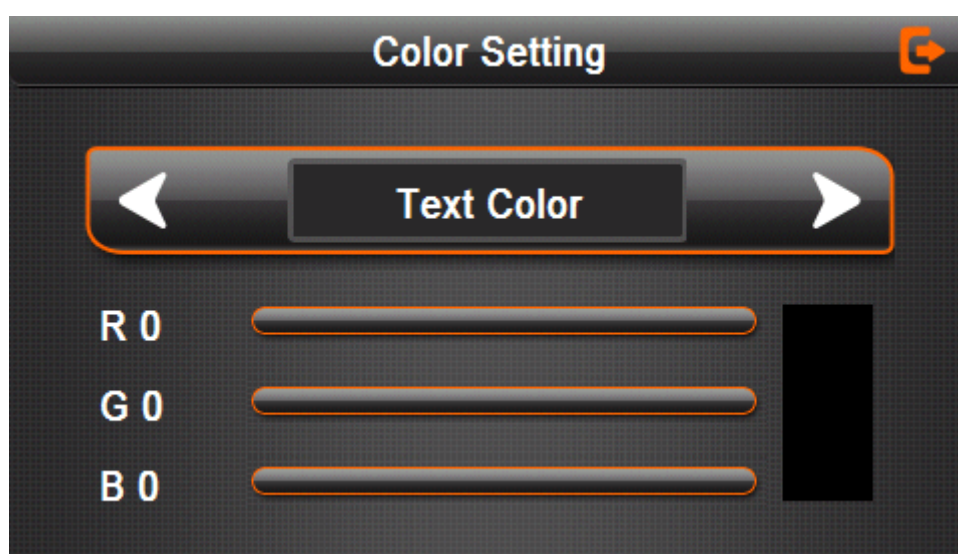
3-32

|                                                                                   |                     |                                                          |
|-----------------------------------------------------------------------------------|---------------------|----------------------------------------------------------|
|  | Close               | Single click and close e-book reader                     |
|  | Last page           | Read last page                                           |
|  | Next page           | Read next page                                           |
|  | File                | Single click to enter Ebook list to choose favorite book |
|  | Font set            | As 3-33                                                  |
|  | Color set           | As 3-34                                                  |
|  | Add book mark       | It needs open e-book and choose TXT.                     |
|  | Open book mark list | As 3-35                                                  |

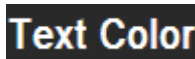


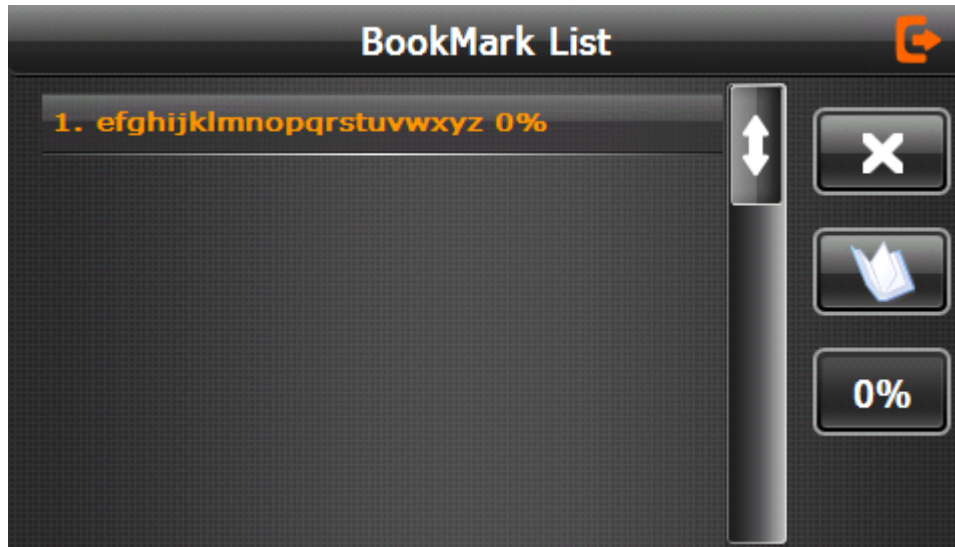
3-33 Font set interface

|                                                                                   |                     |
|-----------------------------------------------------------------------------------|---------------------|
|  | Set font as bold    |
|  | Set font as normal  |
|  | Decrease font size  |
|  | Font size indicator |
|  | Increase font size  |



3-34

|                                                                                     |                                                                                                    |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|  | Set color RGB                                                                                      |
|  | Choose background color, font color or set background color                                        |
|  | Choose background color, font color or set background color with reverse order or sequential order |
|  | Color review                                                                                       |
|  | Return to e-book homepage                                                                          |

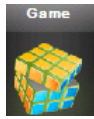


3-35

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
| <b>efghijklmnopqrstuvwxyz 0%</b>                                                    | Single click and choose book mark |
|    | Return e-book interface           |
|  | Rolling book mark list            |
|  | Return e-book homepage.           |
| <b>0%</b>                                                                           | Showing current reading ratio     |

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## 3.7 Game interface and operation

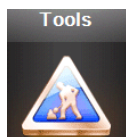


Single click to choose different games as 3-36

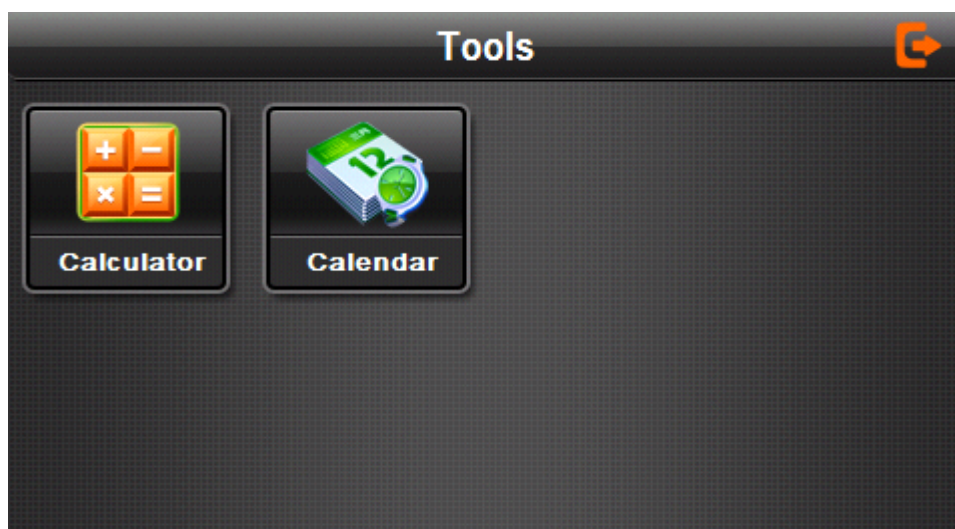


3-36

## 3.8 Tool



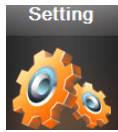
Single click to choose different tools as 3-37

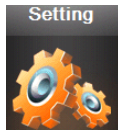


3-37

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### 3.9 System setting Interface and operation



Click  to enter “Setting” menu, then you can set the relevant functions. There are backlights, volume, languages, time, calibration, system info and default etc.

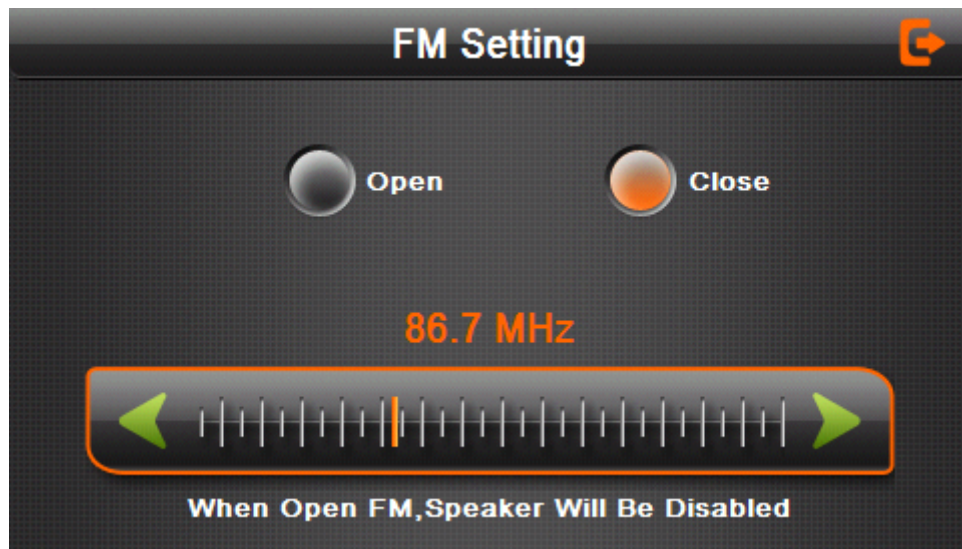


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### 3.9.1 FM Transmitter



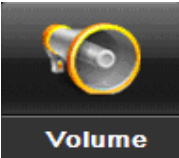
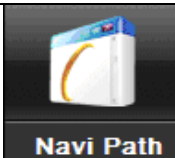
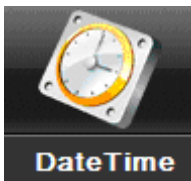
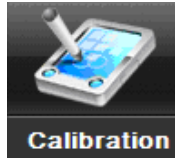
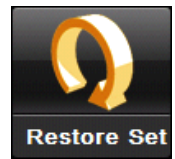
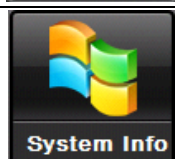
Single click to enter the FM setting as 3.9



3-9

FM Transmitter will send out the audio signal to the radio devices. Take 92.0MHZ frequency for example (the recommended FM frequency in Singapore and Malaysia), both the GPS transmitting frequency and the received frequency of the radio suggested to be tune at **92.0MHZ**, then all the sounds of the GPS will be input through the amplifier system of the radio.

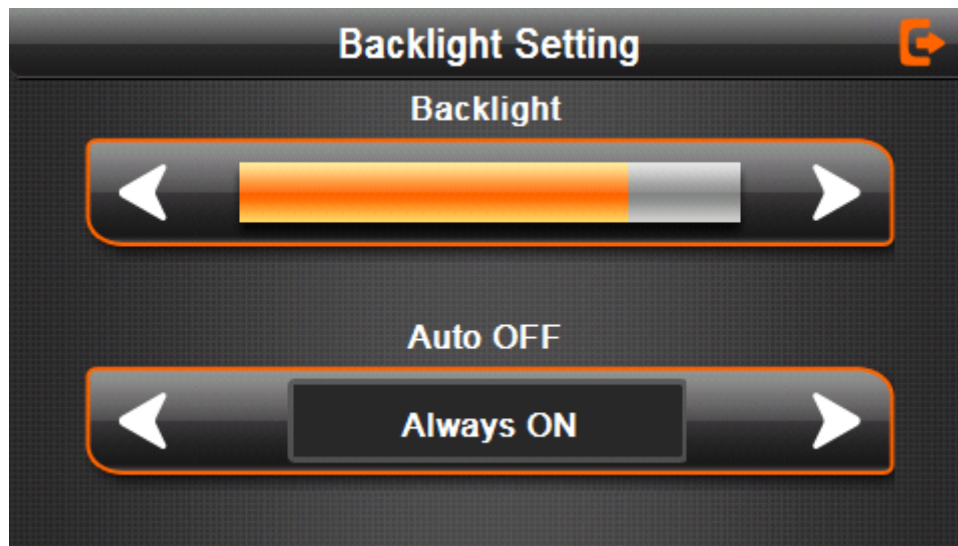
However, please kindly take note that FM transmitter function need to be enable before the sound can voice through your car speaker wirelessly. Once the FM is enabled, the GPS speaker will be disabling as it will be sending the voice signal to the car speaker.

|                                                                                     |                      |                                                                                                                                                             |
|-------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Back light           | Adjust the screen backlight;<br>Backlight turn off time interval under battery power supply<br>Backlight turn off time interval under external power supply |
|    | Volume               | Adjust the volume;<br>Turn on / off “screen click tone”                                                                                                     |
|    | Navigation path      | Set navigation path                                                                                                                                         |
|   | Time and date        | Time set<br>Date set<br>Time zone set                                                                                                                       |
|  | Calibrate the screen | Calibrate the screen                                                                                                                                        |
|  | Language             | Select the language for the system                                                                                                                          |
|  | Default set          | Return the default settings. Factory settings.                                                                                                              |
|  | GPS info             | Display GPS receiving signals data                                                                                                                          |
|  | System info          | Show the system version and serial number etc.                                                                                                              |

## 3.9.2 Backlight setting

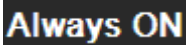


Single click  to enter backlight setting interface as 3-98



3-39

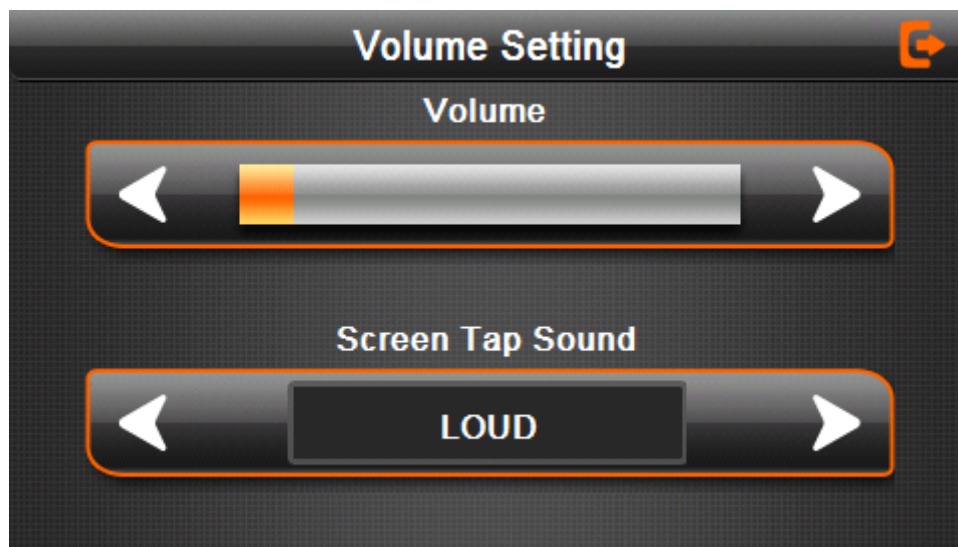
|                                                                                     |                                |                                                                                               |
|-------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------|
|  | Close                          | Exit “backlight setting” interface;                                                           |
|  | Brightne<br>ss<br>decreas<br>e | Click to decrease backlight gradually to the lowest level;                                    |
|  | Brightne<br>ss<br>increase     | Click to increase backlight gradually to the highest level                                    |
|  | Present<br>Brightne<br>ss      | Red blank shows the present brightness                                                        |
|  | Shift left                     | Single click and it will shift left, and it will show last column. This display is in circle. |

|                                                                                   |                  |                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Shift<br>right   | Single click and it will shift right and it will show last column. This display is in circle.                                                                                                              |
|  | Time<br>interval | System backlight will be closed automatically when no operation for a period time to save power. There are several time interval choice for you: never, 3 min, 2min, 1min, 30second later, 10second later. |

### 3.9.3 Volume adjust

“Volume adjustment” includes:

1. Speaker volume adjustment
2. “Screen click tone” setting



|                                                                                     |                |                                                                                                                                         |
|-------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|    | Close          | Exit “volume setting” interface;                                                                                                        |
|    | Volume -       | Single click to decrease the volume gradually; there are 10 ranks for volume from mute to maximum. Single click will decrease one rank. |
|    | Volume +       | Single click to increase the volume gradually; there are 10 ranks for volume from mute to maximum. Single click will increase one rank. |
|   | Turn left      | Turn on/ off screen click tone;                                                                                                         |
|  | Turn right     | Turn on/ off the screen click tone;                                                                                                     |
|  | Present volume | Yellow blanks shows the present volume level;                                                                                           |

### 3.9.4 Date and time setting:

Date and time include:

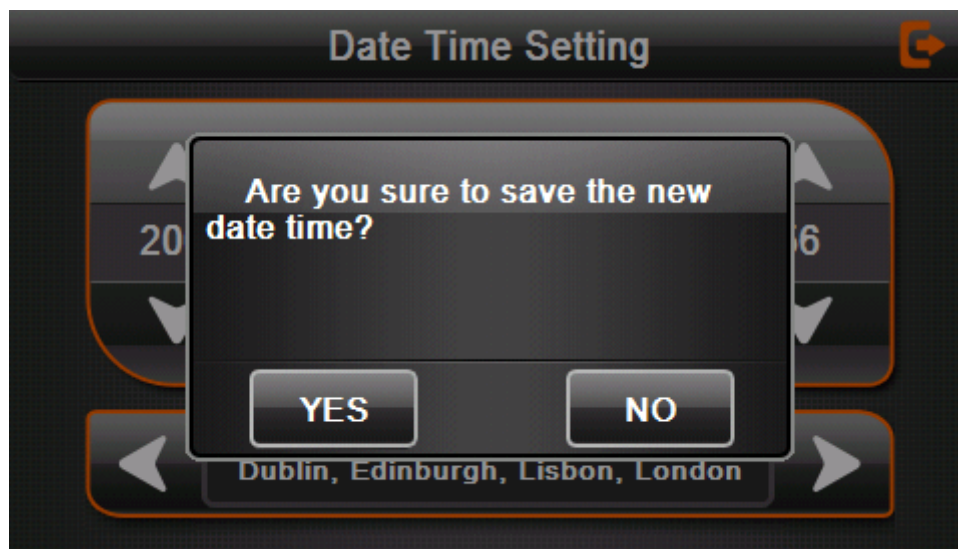
1. System time set;
2. System date set;
3. System time zone set.

\*Please take note the date and time of GPS navigation software – Mapping will make automatic time and date adjustment when your GPS is connected with the satellite. No manual adjustment is required.



3-43

1. Single click button  or  to set time and date.
  2. Single  or  to choose time area.
- Click  to exit current interface after setting, and then it will show as 3-44.
- Choose **YES** or **NO** to exit current interface.



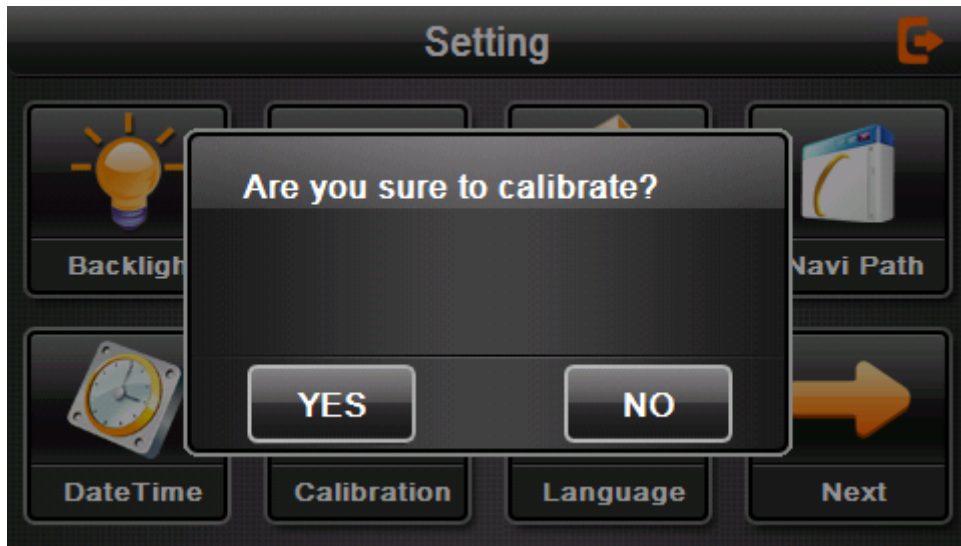
3-44

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### 3.9.5 Screen Calibration

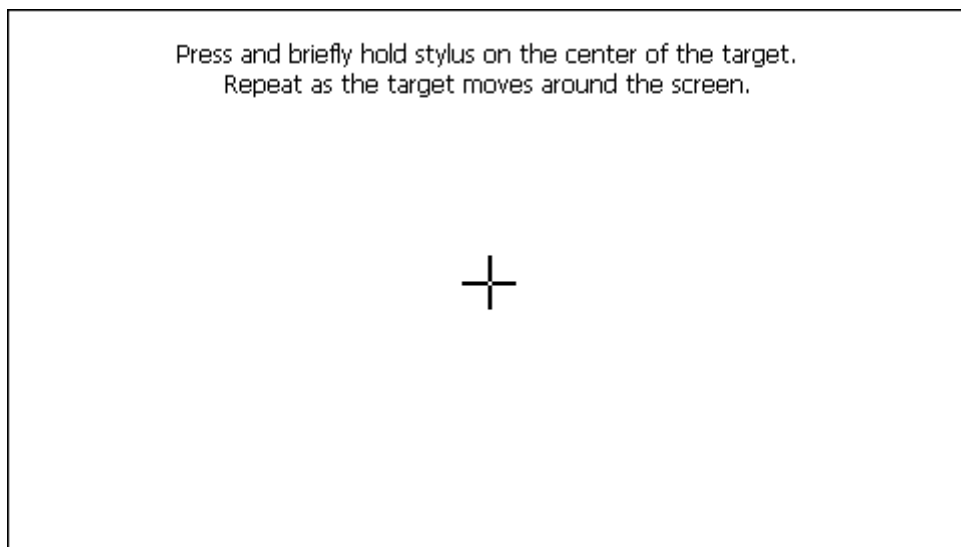


Click the **Calibration** to enter the screen calibration as 3-45



3-45

Click **YES** it will move from in the sequence of the center, left up, left down, right down and right up till the calibration succeed, then click any where on the screen to save the calibration and exit to the main interface automatically. If not save the information, please wait 30 seconds and it will exit from current interface automatically.



3-46

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### 3.9.6 Language setting



3-47

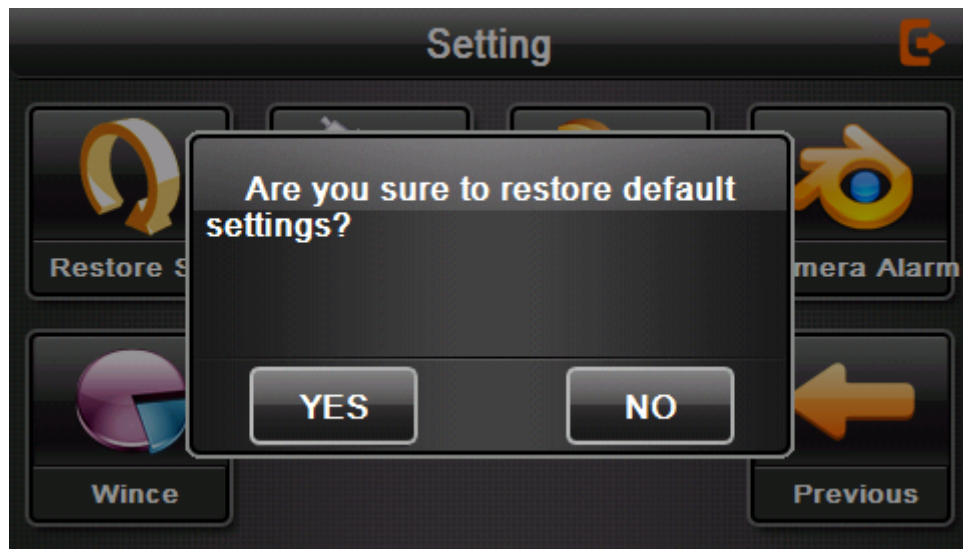
Single click your preferred language and then exit. This is the system language. Mapping software provides a wide selection of language in Malay, English, Simplify Chinese and Traditional Chinese. There are also a wide selection of voice selection available under the navigation software.

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### 3.9.7 Default set



Single click **Restore Set** to enter the default setting as 4-48:



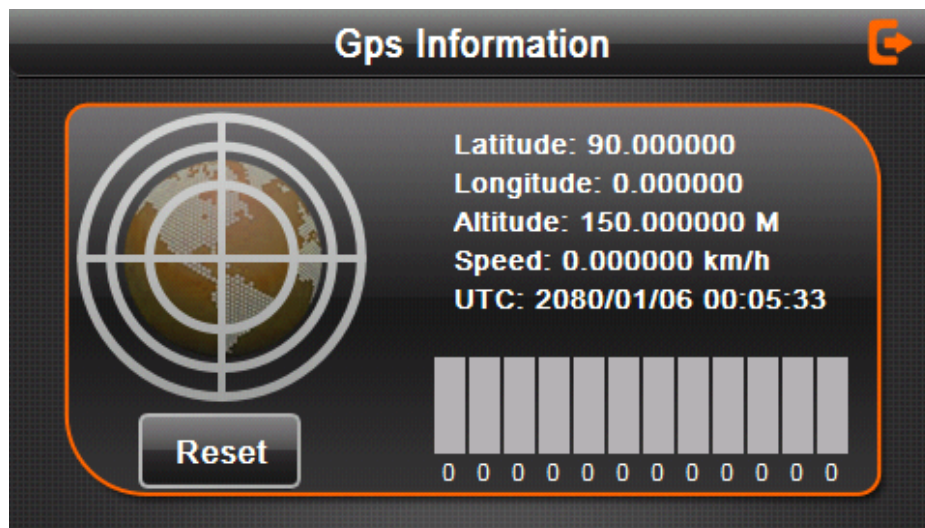
3-48

Single click **YES** to restore the default settings, single click **NO** to exit the default settings.

### 3.9.8 GPS Information



Single click the button **GpsInfo** and enter GPS information interface as 3-49

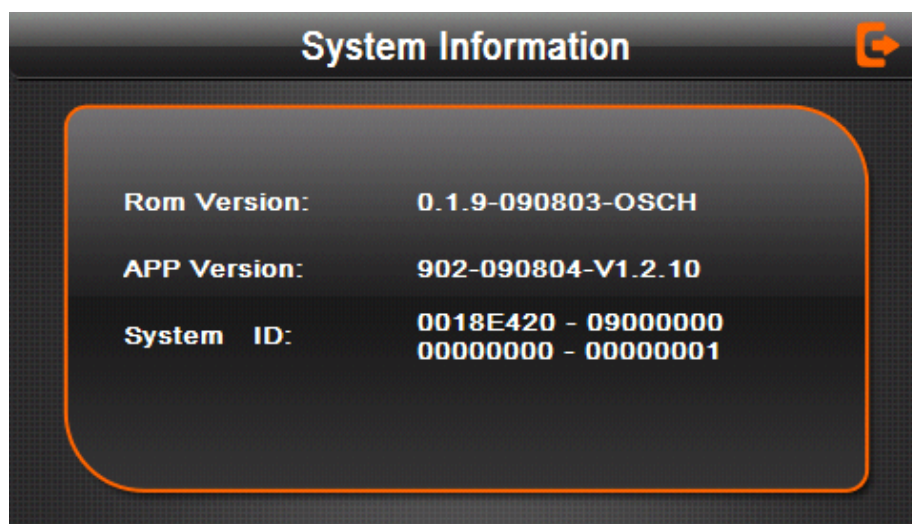


3-49

### 3.9.9 System information

System information includes:

5. Firmware version;
6. APP version;
7. System ID.

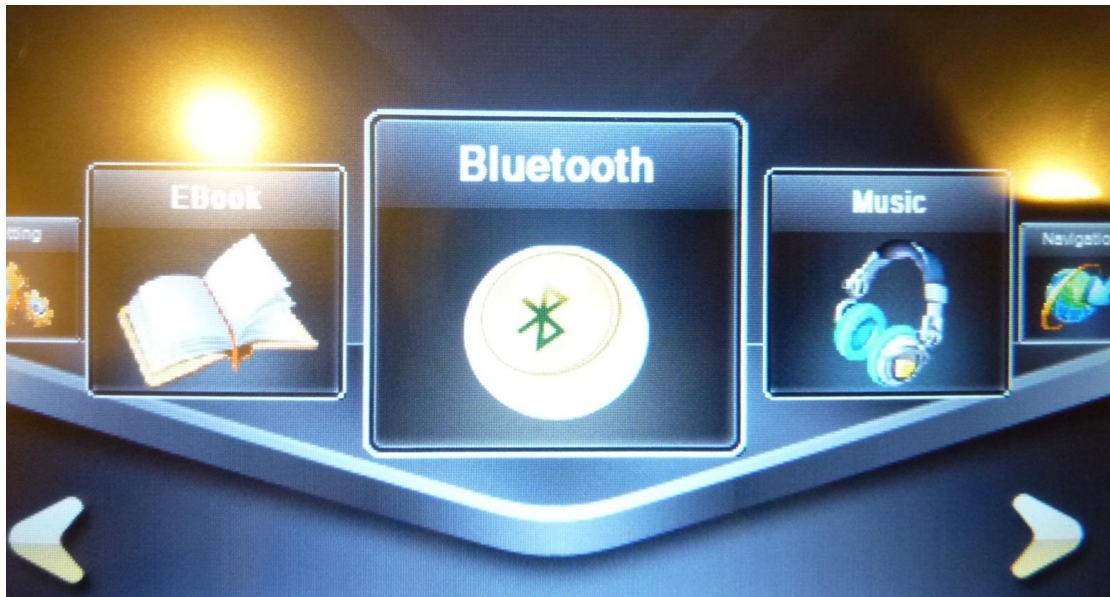


3-50

|                                                                                     |                         |
|-------------------------------------------------------------------------------------|-------------------------|
|  | Exit system information |
| <b>Rom Version</b>                                                                  | Show ROM version        |
| <b>APP Version</b>                                                                  | Show the APP version;   |
| <b>System ID</b>                                                                    | Show the system ID.     |

---

## 4. Bluetooth Handsfree Communication



### 4.1 Bluetooth

Bluetooth is designed for handsfree communication. This is the replacement of your Bluetooth handsfree earpiece if you have any. Bluetooth feature will be solely available for communication purposes. Data or file transfer will not be available here.

#### Advantages of Marbella M880 Slim Deluxe Bluetooth

- Automatic connection/re-connection when you enter your vehicle
- Phone Book sync
- Able to pair with multi-mobile phone (but only connect 1 phone per time)
- Clear and user friendly telephone menu

### 4.2 Bluetooth Pairing

Different phone has different application and steps in pairing with Marbella M880 Slim Deluxe. Due to various model and brand mobile phone model in the market, we will not be able to provide any support for Bluetooth pairing over the phone or email. However, we'd be more than happy to assist you if you could bring the phone down to our Service Centre.

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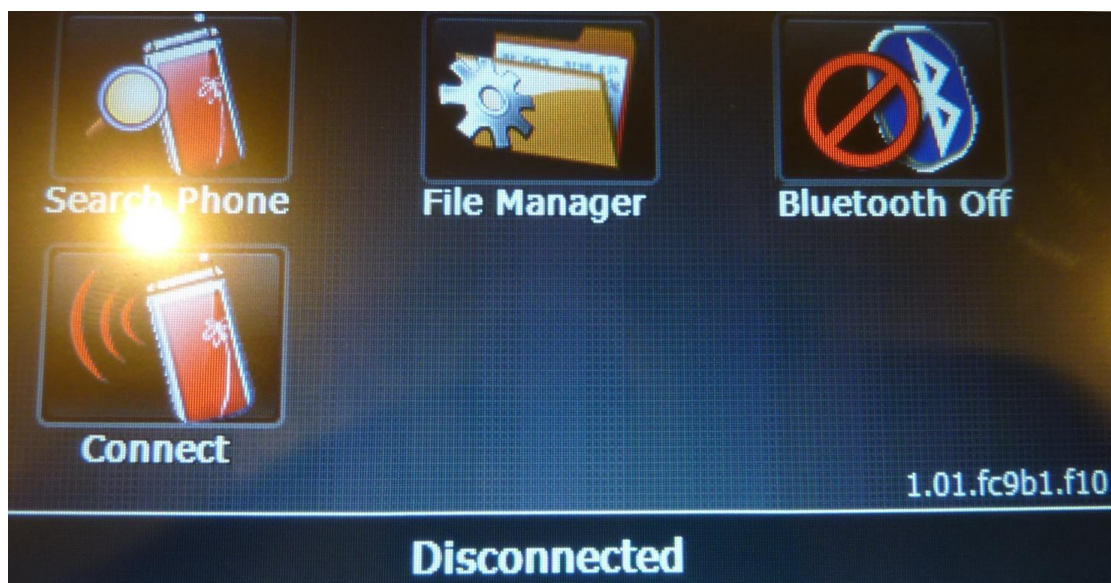
Bluetooth handsfree should be compatible with most of mobile phones in the market, but however we are taking Apple iPhone as an example and here are some steps as follows;

<Step 1>



Click on Settings once you enter the Bluetooth page. Other icons remain unavailable until a device has been paired successfully with your mobile phone.

<Step 2>



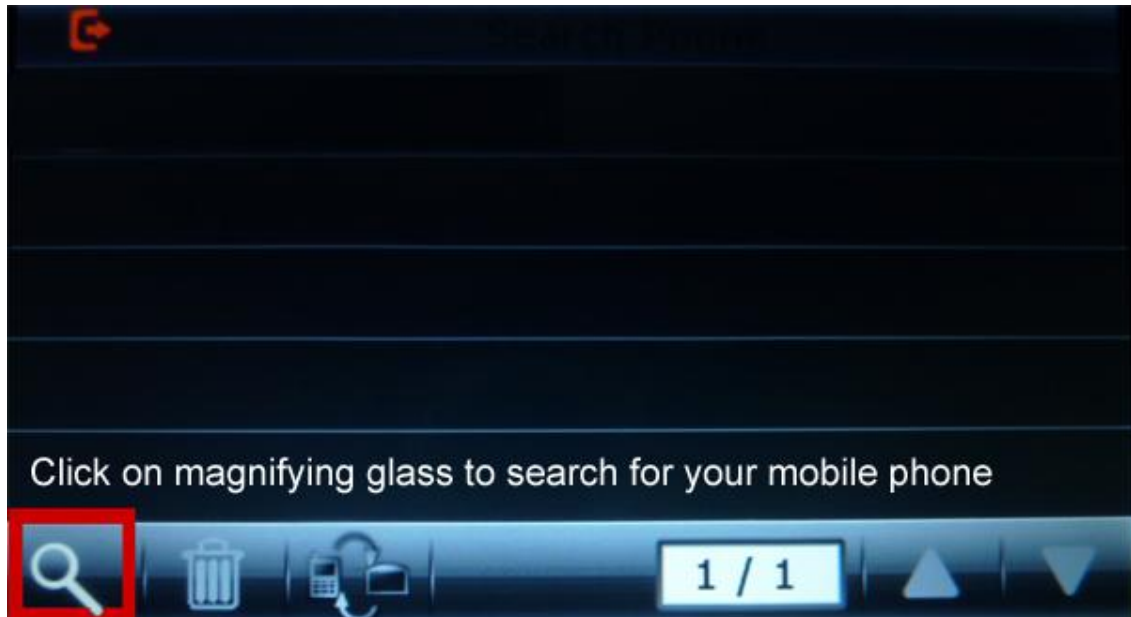
Please kindly click on “Search Phone” and allow the Marbella M880 Slim Deluxe to commence searching to pair with your mobile phone. Please kindly

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also ensure you have switched “ON” the Bluetooth from your mobile phone.

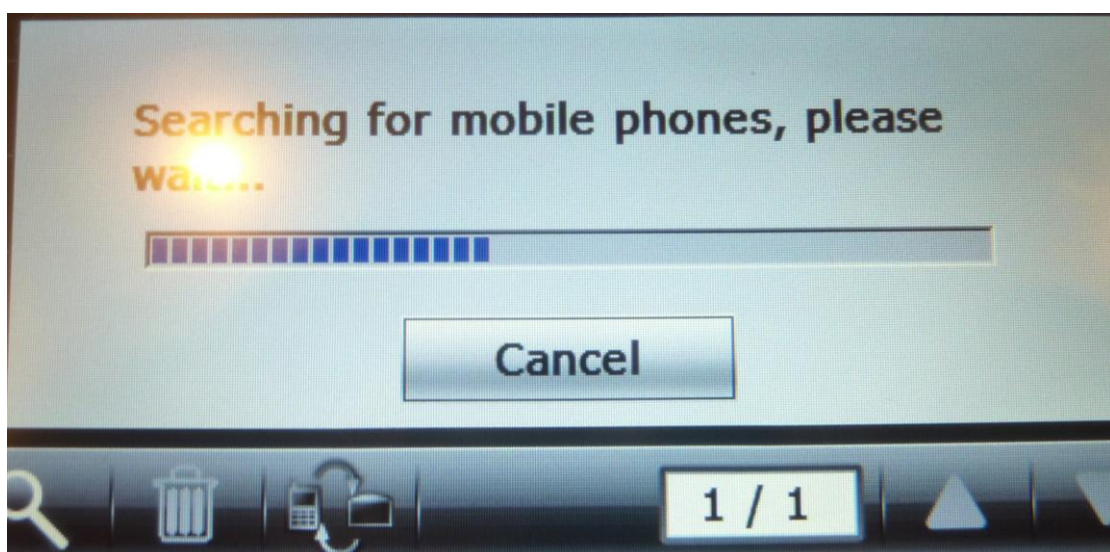
※ PLEASE TAKE NOTE, “**BLUETOOTH OFF**” refers to “**Turn OFF your Bluetooth**”. It does not mean currently the Bluetooth is disabled. However, the Bluetooth will be disabled if you see the message “**BLUETOOTH ON**”.

<Step 3>



Click on the magnifying glass icon to commence searching for your mobile phone. Please ensure your Bluetooth function is enabled and in a “**discoverable**” mode.

<Step 4>

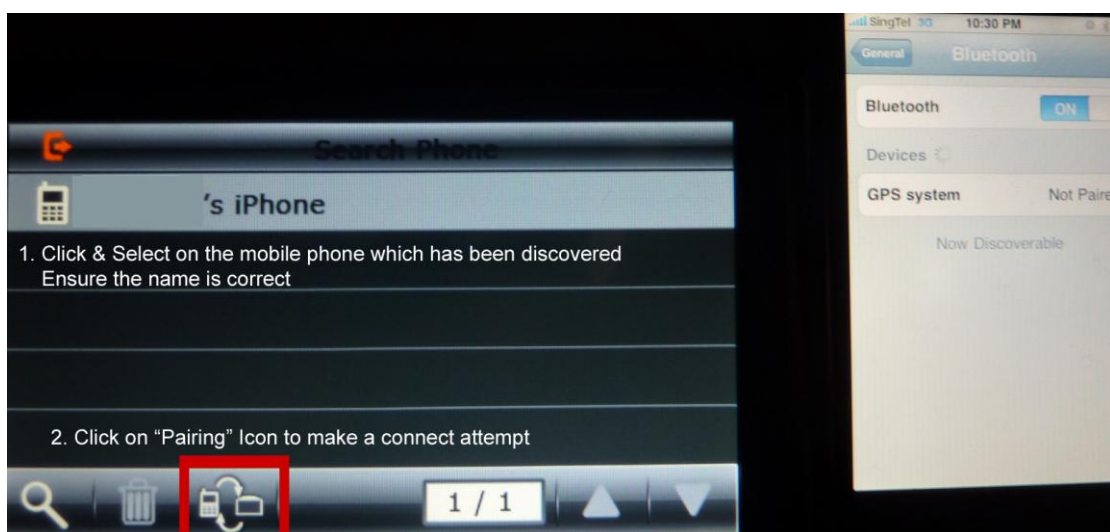
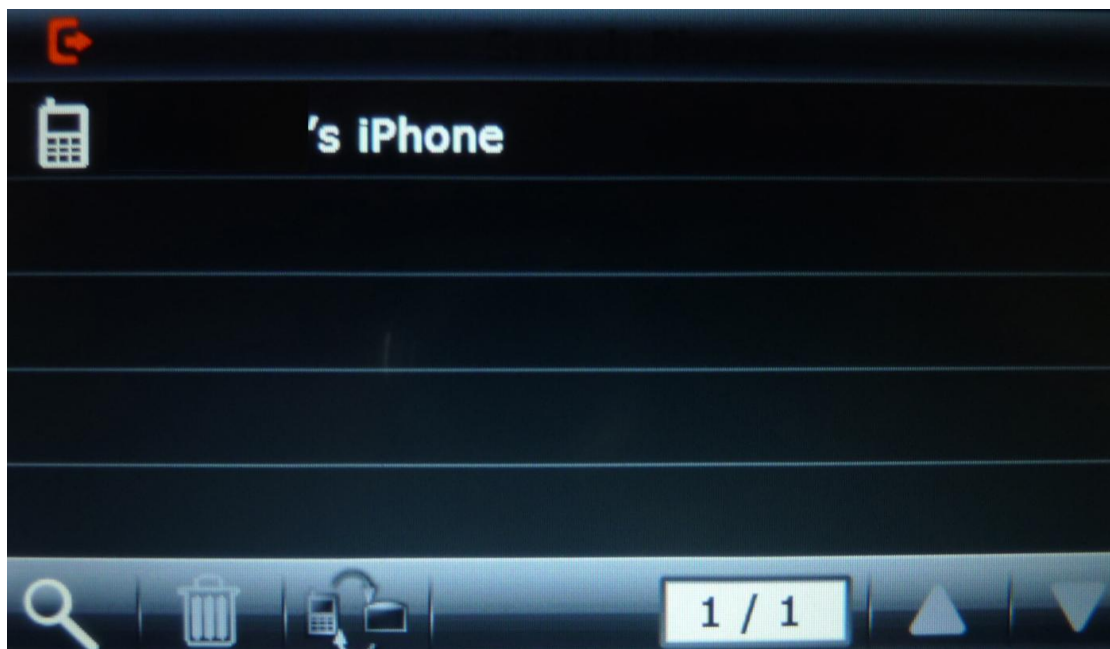


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Marbella M880 Slim Deluxe will search for your mobile phone now. If your phone is not able to be discovered, please kindly make some troubleshooting attempt;

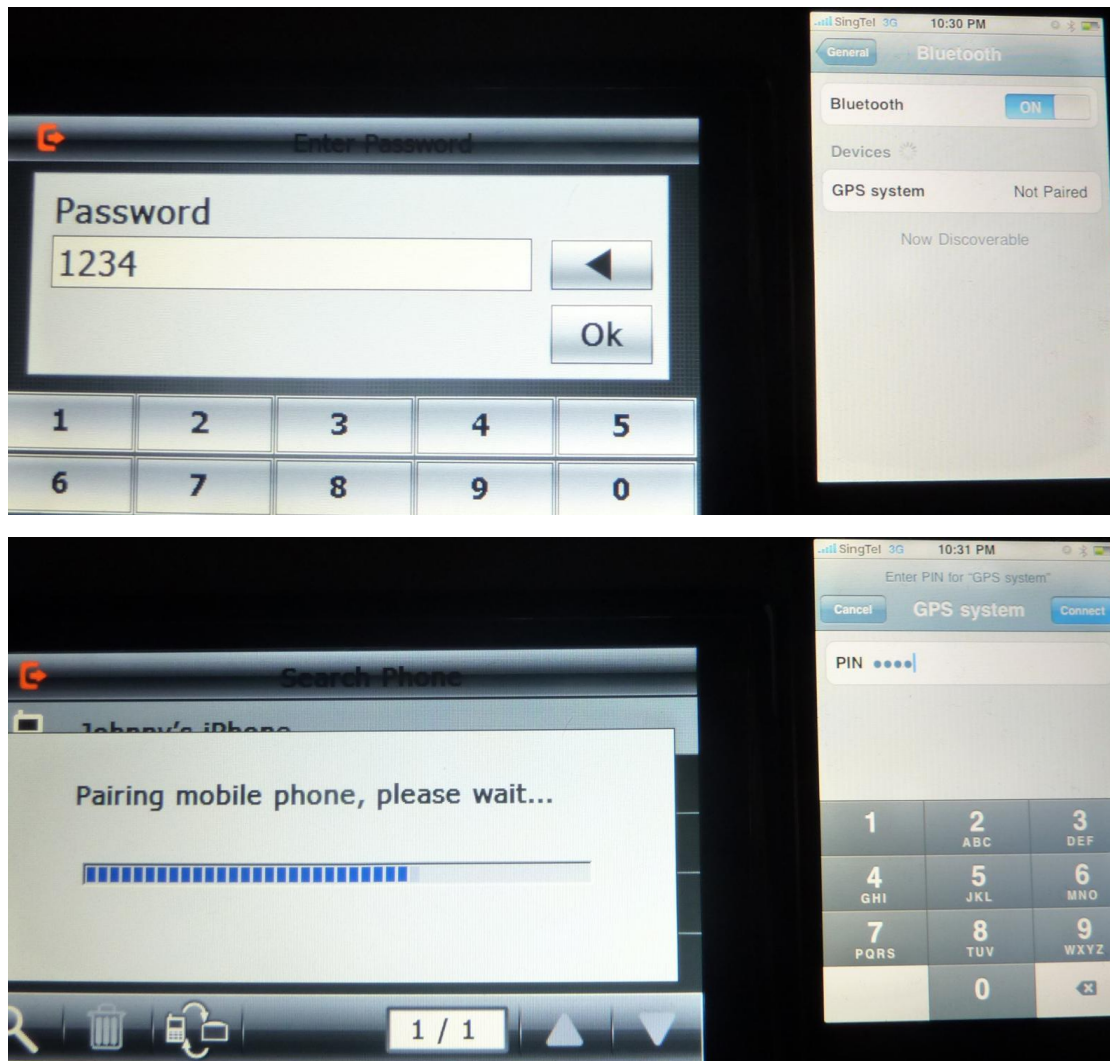
- 1) Try to search for few more times, try to minimize the number of Bluetooth devices surround you.
- 2) Please use your mobile phone and enter the Bluetooth, see if you can “add” or “Search” for a new Bluetooth devices at the same time Marbella M880 Slim Deluxe is searching for your mobile phone. It may be easier with 2-way attempt.

<step 5>



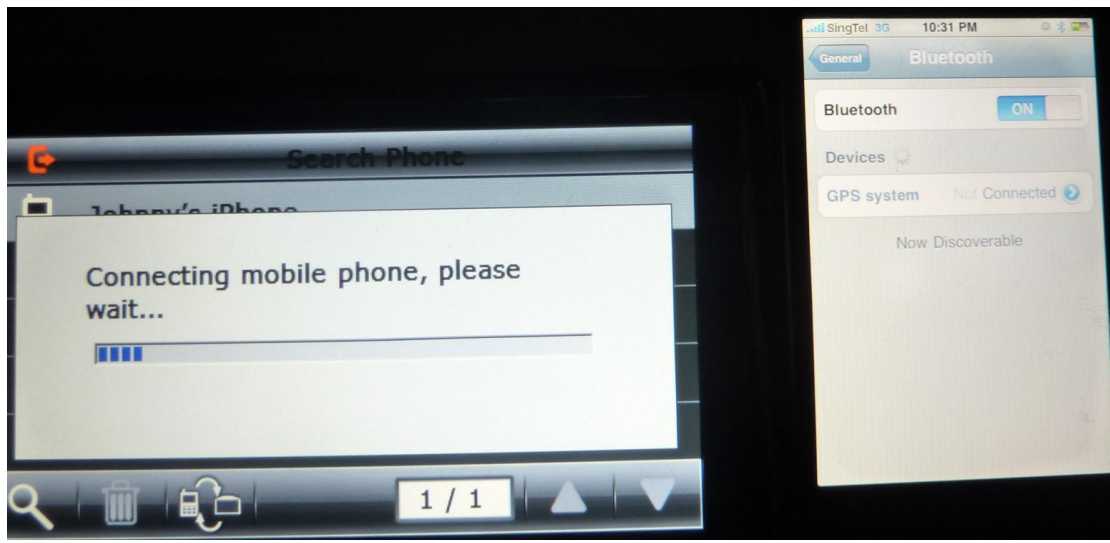
1. Click & select on the mobile phone which was discovered through this search
2. Click on the “Pairing” Icon to make a connect attempt

<Step 6>



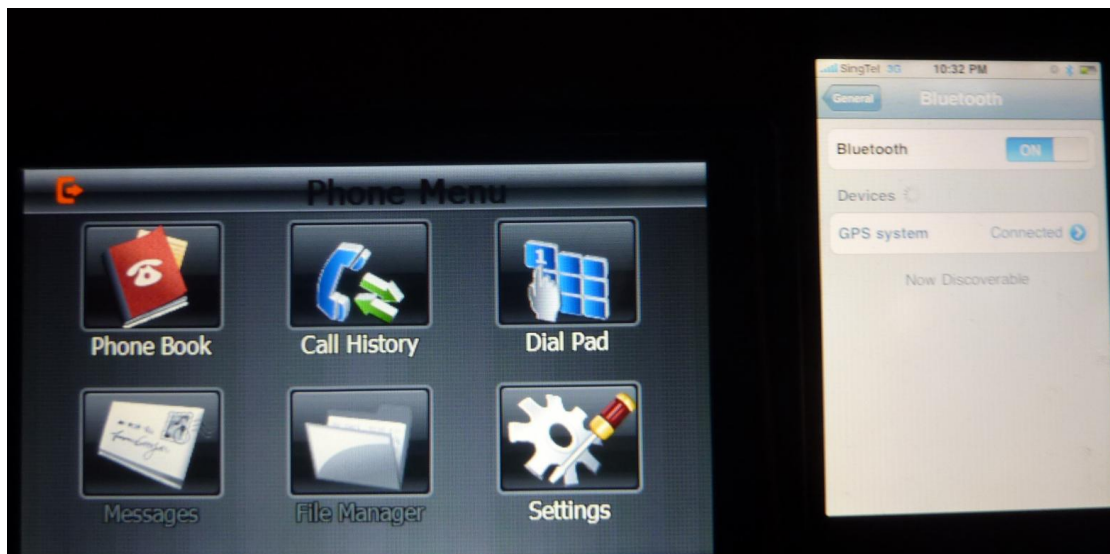
- 1) Marbella M880 Slim Deluxe will request a password of your choice to confirm the Bluetooth pairing is authenticated. A simple password can be “1234” which is shown as our example here.
- 2) Once you enter your preferred password and press “OK”. Your mobile phone end should prompt you to enter a PIN/Password.
- 3) Please enter the same “PIN Number” as per your previous step and click on “Connect” or “Accept” once after the SAME PIN NUMBER HAS BEEN ENTERED.

<Step 7>



Marbella M880 Slim Deluxe is now trying to connect with your mobile phone now. PLEASE KINDLY BE PATIENT IN THIS STEP as it can take up to 5 minutes. Even though our sample iPhone is showing “Connected” status, but it will still take a couple minutes more to complete the pairing process.

<step 8 - Complete>



Upon completion of pairing, Marbella M880 Slim Deluxe GPS Navigator will bring the page back as shown above. Features such as “Phone Book”, “Call History” and “Dial Pad” have been enabled and you may utilize our advantage of wireless communication now.

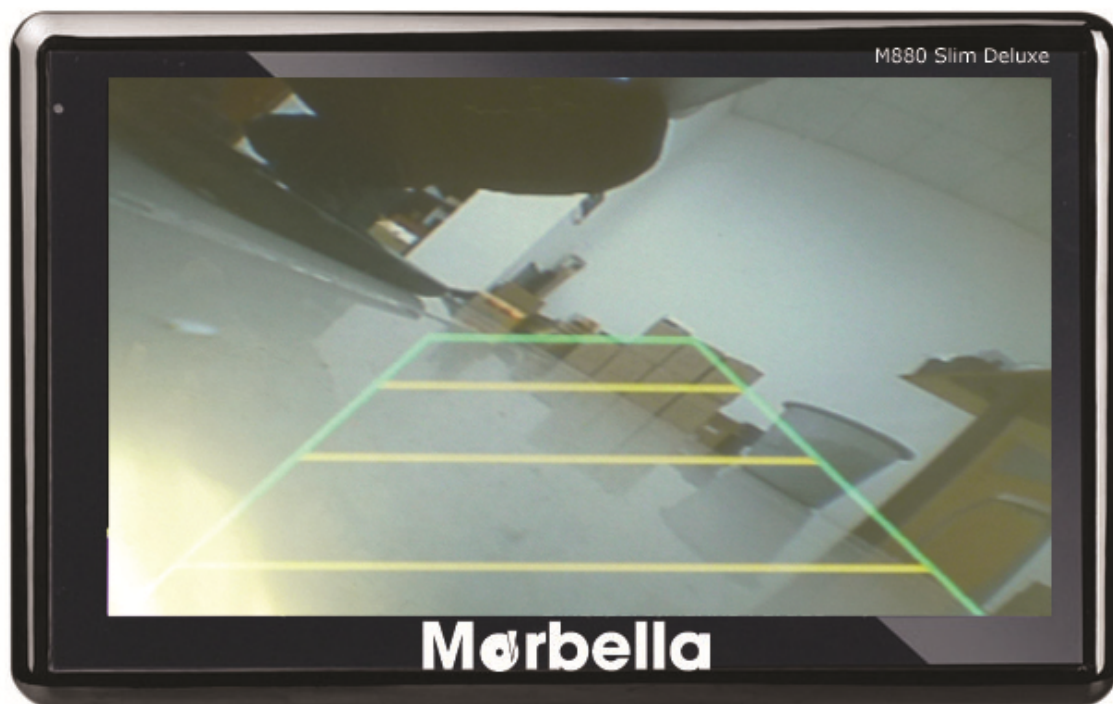
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## 5. Reverse Camera (AV-input)

Marbella M880 Slim Deluxe has a Smart AV-input feature and it will detect its own incoming port from the AV port. Users do not need to switch to AV mode when you put your car to reverse gear "R". In simple words; Marbella M880 Slim Deluxe will switch to the rear view of your vehicle when you put your car to "R" and it will go back to the GPS mode when you shift your gear away from "R" (Reverse).

Please contact Maka GPS Technologies Service Centre at (65) 6100 1239 – Singapore or (60) 7359 7804 - Malaysia for further enquiry on installing a reverse camera.

An Example of reverse camera looks like this. To meet our high expectation of quality, our reverse camera is full-color and 100% guarantee night vision visible. You may contact our reseller network for more information on installation a reverse camera.



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## Part III. Troubleshooting

IF your GPS navigator cannot work normally, please check it as follows. If you cannot solve the problem, please contact our service center.

| Reason                               | Reason                                | Solution                                                              |
|--------------------------------------|---------------------------------------|-----------------------------------------------------------------------|
| Can not turn on the navigator        | Lack of power                         | Charge the battery                                                    |
| The device turn off suddenly         | Low battery                           | Charge the battery                                                    |
| Can not display clearly              | The back light is not bright enough   | Adjust the backlight                                                  |
|                                      | The back light has been turned off    | Click the LCD; the screen will turn bright again.                     |
| No response when clicking the button | The touch-screen is not calibrated    | Calibrate the touch-screen                                            |
| Without sound                        | The volume is at the lowest condition | Increase the volume                                                   |
|                                      | The earphone is not connected well    | Connect the earphone                                                  |
| Can not communicate with computer    | The USB cable is not connected well   | Connect USB cable                                                     |
| No signal                            |                                       | The signal is weak, it need more than 3 minutes to receive the signal |
| The map data is lost                 |                                       | Contact      Maka      GPS<br>Technologies                            |

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## Maintenance of GPS navigator

GPS navigator will be a reliable navigation and entertainment companion if protected by right methods. Please follow the instructions below to ensure your GPS run smoothly for a long time.

Protect screen: Don't press the screen with strength or you will destroy it. Please use the stylus to operate the navigator and spray a little glass cleaner on the soft cloth to clean the screen, don't spray on the screen directly.

【Note】 Be sure to turn off the GPS navigator before cleaning.

√ Drop or strike will cause damage to high-precision components.

【Note】 Accidental damage is beyond our responsibilities.

√ Don't use it under such environment: Temperature change abruptly (high temperature above 60°, low temperature under -10°), high voltage, dusty, electrostatic interference, avoid any corrosive liquid and dip into any liquid.

√ Avoid radiated interference: The radiated interference from other electronic products will affect the display and it will be normal after suppressing the interference source.

【Note】 If you carry the unit by air, please put the GPS together with your luggage to pass the X-ray detection system. Avoid scanning by the magnetic head detector (at the passage used for passing) or the magnetic bar (held by the security checker), or it will destroy the system date in the unit. We will take no responsibility for it.

✓ Avoid direct, intense light: Don't use the GPS navigator in high light and ultraviolet radiation in order to increase the using life.

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## **Part IV. Service Location**

### **4.1 Local Service Centre - Singapore**

Maka GPS Technologies Private Limited

2 Alexandra Road

Unit #02-03, Delta House

Singapore 159919

Tel: (65) 6276 0889

Fax: (65) 6270 7123

24Hrs Hotline (65) 6100 1239

Opening Hours: 9am – 6:30pm (Monday to Friday) Close 12pm – 1:30pm for lunch

### **4.2 Local Service Centre – Malaysia**

#### Service Location in Johor Bahru

Maka GPS Technologies Sdn. Bhd.

8A, Jalan Harmonium 23/13

Taman Desa Tebrau

Johor Bahru, Johor

Tel: (60) 7359 7804 – 24HRs Hotline

Fax: (60) 7359 7805

Opening Hours: 9:30am – 6:30pm (Monday to Friday)

Close 12:30pm – 2pm for lunch

#### Service Location in Kuala Lumpur

9th Floor, Berjaya Times Square,

Jalan Imbi, 55100 Kuala Lumpur

Tel: (60) 016-232 2271

Opening Hours: 10am – 7pm (Monday to Saturday)